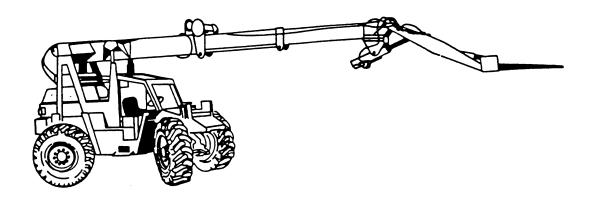
## FORKLIFT, VARIABLE REACH, RT



| SYSTEM IDENTIFIERS |  |  |  |  |  |  |
|--------------------|--|--|--|--|--|--|
| NOMENCLATURE:      | Variable Reach, Rough Terrain, Truck, Forklift (VRRTFL), 6,000 lb, Ammunition Handling |  |  |  |  |  |
| SSN:               | M48901   |  |  |  |  |  |
| LIN:               | T48944   |  |  |  |  |  |
| NSN:               | 3930-01-058-0489   |  |  |  |  |  |
| AMIM NO:           | A480   |  |  |  |  |  |
| EIC:               | DJQ  |  |  |  |  |  |
| FUEL TYPE:         | DIESEL   |  |  |  |  |  |

## **SYSTEM DESCRIPTION**

This Variable Reach Rough Terrain Fork Lift (VRRTFL) is a diesel engine driven, pneumatic- tired, four wheel drive truck. It provides the capability of inserting or removing Multiple Launch Rocket System (MLRS) pods and palletized ammunition from 8-foot by 8-foot by 20-foot containers and transporters. The hydraulically actuated forks are capable of handling 6,000 pounds at a 24 inch load center retracted high strength alloy steel boom and a capacity of 4,000 pounds with the boom fully extended. The VRRTFL has a one man enclosed cab. There is a full time planetary four wheel drive with dry disk brakes, and the front axle is equipped with a "no spin" differential and parking brake.

There are no separately authorized components identified with this weapon/materiel system.

## FORKLIFT, VARIABLE REACH, RT

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

## FORKLIFT, VARIABLE REACH, RT FY 94 TOTAL ARMY COST SUMMARY (FY 94 Constant Dollars)

1,569

#### **DENSITY**

NUMBER OF SYSTEMS

#### **DEPOT END ITEM MAINTENANCE (5.061)**

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/END ITEM \$0.00

#### CLASS III-POL (5.05)

#### **NOT AVAILABLE**

#### **DEPOT SECONDARY ITEM MAINTENANCE**

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/SECONDARY ITEM \$0.00

#### **CLASS V-AMMUNITION (2.11)**

#### **NOT APPLICABLE**

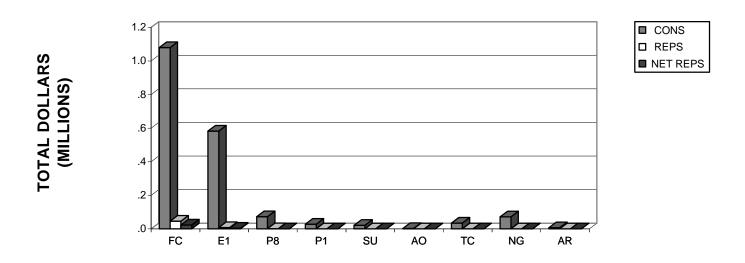
| INTERMEDIATE MAINTENANCE            |               |             |  |  |  |  |  |  |
|-------------------------------------|---------------|-------------|--|--|--|--|--|--|
|                                     | DS/GS         | CIVILIAN    |  |  |  |  |  |  |
| MIL/CIV LABOR COST                  | \$43,352      | \$2,042     |  |  |  |  |  |  |
| AVG COST/SYSTEM                     | \$27.63       | \$1.30      |  |  |  |  |  |  |
| MAINTENANCE MANHOURS<br>MMHs/SYSTEM | 2,610<br>1.66 | 109<br>0.07 |  |  |  |  |  |  |

#### **CLASS IX MATERIEL-PARTS (5.04/5.03)**

|                 | FY 94          | AVG COST   |
|-----------------|----------------|------------|
|                 | <u>DOLLARS</u> | PER SYSTEM |
| CONSUMABLES     | \$1,899,978    | \$1,210.95 |
| NET REPARABLES  | \$28,559       | \$18.20    |
| NET TOTAL COSTS | \$1,928,537    | \$1,229.15 |

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

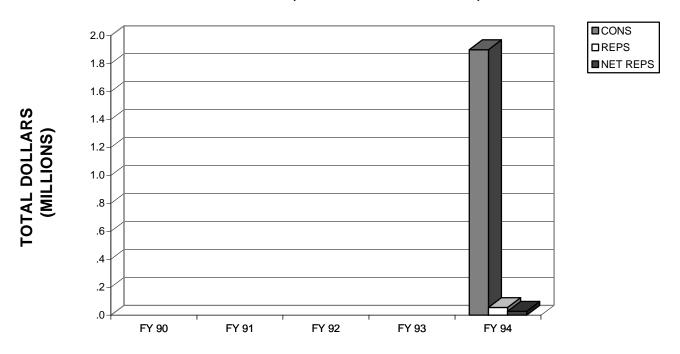
## FORKLIFT, VARIABLE REACH, RT



|      | FORKLIFT, VARIABLE REACH, RT |           |        |        |           |           |         |  |  |  |  |
|------|------------------------------|-----------|--------|--------|-----------|-----------|---------|--|--|--|--|
|      | FY 94 MACOM CLASS IX COSTS   |           |        |        |           |           |         |  |  |  |  |
|      | MACOM                        |           |        | NET    | NET TOTAL | NUMBER OF | AVG PER |  |  |  |  |
| CODE | NAME                         | CONS      | REPS   | REPS   | COSTS     | SYSTEMS   | SYSTEM  |  |  |  |  |
| FC   | FORSCOM                      | 1,079,262 | 45,760 | 23,749 | 1,103,011 | 460       | 2,398   |  |  |  |  |
| E1   | USAREUR                      | 582,191   | 8,081  | 4,194  | 586,385   | 238       | 2,464   |  |  |  |  |
| P8   | EUSA                         | 72,709    | 941    | 488    | 73,197    | 29        | 2,524   |  |  |  |  |
| P1   | USARPAC                      | 27,869    | 0      | 0      | 27,869    | 30        | 929     |  |  |  |  |
| SU   | USARSO                       | 21,334    | 0      | 0      | 21,334    | 20        | 1,067   |  |  |  |  |
| AO   | USASOC                       | 2,550     | 247    | 128    | 2,678     | 4         | 670     |  |  |  |  |
| TC   | TRADOC                       | 34,941    | 0      | 0      | 34,941    | 49        | 713     |  |  |  |  |
| NG   | ARNG                         | 72,116    | 0      | 0      | 72,116    | 452       | 160     |  |  |  |  |
| AR   | USAR                         | 7,006     | 0      | 0      | 7,006     | 287       | 24      |  |  |  |  |
| TA   | TOTAL ARMY                   | 1,899,978 | 55,029 | 28,559 | 1,928,537 | 1,569     | 1,229   |  |  |  |  |

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that

## FORKLIFT, VARIABLE REACH, RT



|        | FORKLIFT, VARIABLE REACH, RT FIVE YEAR TOTAL ARMY CLASS IX COSTS |        |        |             |           |         |  |  |  |  |
|--------|--|--------|--------|-------------|-----------|---------|--|--|--|--|
| FISCAL |  |        | NET    | NET         | NUMBER OF | AVG PER |  |  |  |  |
| YEAR   | CONS   | REPS   | REPS   | TOTAL COSTS | SYSTEMS   | SYSTEM  |  |  |  |  |
| FY 90  |  |        |        |             |           |         |  |  |  |  |
| FY 91  |  |        |        |             |           |         |  |  |  |  |
| FY 92  |  |        |        |             |           |         |  |  |  |  |
| FY 93  |  |        |        |             |           |         |  |  |  |  |
| FY 94  | 1,899,978  | 55,029 | 28,559 | 1,928,537   | 1,569     | 1,229   |  |  |  |  |

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

|     | FORKLIFT, VARIABLE REACH, RT FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS |           |        |        |             |         |        |  |  |  |  |
|-----|--|-----------|--------|--------|-------------|---------|--------|--|--|--|--|
|     | NET NET NUM OF AVG PER   |           |        |        |             |         |        |  |  |  |  |
| WBS | NAME   | CONS      | REPS   | REPS   | TOTAL COSTS | SYSTEMS | SYSTEM |  |  |  |  |
| 01  | HULL/FRAME   | 555,296   | 0      | 0      | 555,296     | 1,569   | 354    |  |  |  |  |
| 02  | SUSPENSION/STEER   | 315,461   | 44,678 | 23,187 | 338,648     | 1,569   | 216    |  |  |  |  |
| 03  | POWER PACKAGE  | 767,353   | 10,351 | 5,372  | 772,725     | 1,569   | 492    |  |  |  |  |
| 04  | AUX AUTOMOTIVE   | 97,010    | 0      | 0      | 97,010      | 1,569   | 62     |  |  |  |  |
| 05  | TURRET ASSEMBLY  | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 06  | FIRE CONTROL   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 07  | ARMAMENT   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 80  | BODY/CAB   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 09  | AUTO LOADING   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 10  | AUTO/REMOTE PILOT  | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 11  | NBC EQUIPMENT  | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 12  | SPECIAL EQUIPMENT  | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 13  | NAVIGATION   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 14  | COMMUNICATIONS   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 15  | VEH APP SOFTWARE   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 16  | VEH SYS SOFTWARE   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 17  | INT, ASSY, TEST, C/O   | 0         | 0      | 0      | 0           | 0       | 0      |  |  |  |  |
| 18  | OTHER  | 164,858   | 0      | 0      | 164,858     | 1,569   | 105    |  |  |  |  |
|     | TOTAL  | 1,899,978 | 55,029 | 28,559 | 1,928,537   | 1,569   | 1,229  |  |  |  |  |

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

|     | FORKLIFT, VARIABLE REACH, RT                        |           |           |           |           |           |  |  |  |  |
|-----|---|-----------|-----------|-----------|-----------|-----------|--|--|--|--|
|     | FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS |           |           |           |           |           |  |  |  |  |
|     |   | FY 90     | FY 91     | FY 92     | FY 93     | FY 94     |  |  |  |  |
|     |   | NET TOTAL |  |  |  |  |
| WBS | NAME  | COSTS     | COSTS     | COSTS     | COSTS     | COSTS     |  |  |  |  |
| 01  | HULL/FRAME  |           |           |           |           | 555,296   |  |  |  |  |
| 02  | SUSPENSION/STEER                                    |           |           |           |           | 338,648   |  |  |  |  |
| 03  | POWER PACK  |           |           |           |           | 772,725   |  |  |  |  |
| 04  | AUX AUTOMOTIVE                                      |           |           |           |           | 97,010    |  |  |  |  |
| 05  | TURRET ASSEMBLY                                     |           |           |           |           | 0         |  |  |  |  |
| 06  | FIRE CONTROL  |           |           |           |           | 0         |  |  |  |  |
| 07  | ARMAMENT  |           |           |           |           | 0         |  |  |  |  |
| 80  | BODY/CAB  |           |           |           |           | 0         |  |  |  |  |
| 09  | AUTO LOADING  |           |           |           |           | 0         |  |  |  |  |
| 10  | AUTO/REMOTE PILOT                                   |           |           |           |           | 0         |  |  |  |  |
| 11  | NBC EQUIPMENT                                       |           |           |           |           | 0         |  |  |  |  |
| 12  | SPECIAL EQUIPMENT                                   |           |           |           |           | 0         |  |  |  |  |
| 13  | NAVIGATION  |           |           |           |           | 0         |  |  |  |  |
| 14  | COMMUNICATIONS                                      |           |           |           |           | 18,479    |  |  |  |  |
| 15  | VEH APP SOFTWARE                                    |           |           |           |           | 0         |  |  |  |  |
| 16  | VEH SYS SOFTWARE                                    |           |           |           |           | 0         |  |  |  |  |
| 17  | INT, ASSY, TEST, C/O                                |           |           |           |           | 0         |  |  |  |  |
| 18  | OTHER   |           |           |           |           | 146,379   |  |  |  |  |
|     | TOTAL   |           |           |           |           | 1,928,537 |  |  |  |  |
|     | NUM OF SYSTEMS                                      |           |           |           |           | 1,569     |  |  |  |  |
|     | AVG PER SYSTEM                                      |           |           |           |           | 1,229     |  |  |  |  |

## FORKLIFT, VARIABLE REACH, RT TOP 40 COST DRIVERS CLASS IX CONSUMABLES (NON-DLRs)

|     | NSN           | NOMENCLATURE          | WBS | MRC   | ARI | MATCAT | FY 94 AMDF<br>UNIT PRICE | FY 94<br>QTY |
|-----|---------------|-----------------------|-----|-------|-----|--------|--------------------------|--------------|
|     | INOIN         | NOMENCLATORE          | WBS | IVIKC | AKI | MATCAT | UNIT PRICE               | QIT          |
| 1.  | 2610007265164 | TIRE,PNEUMATIC        | 02A | Н     |     | K21PP  | 375.00                   | 722.63       |
|     | 2815012937121 | ENGINE, DIESEL        | 03A | Н     |     | K21WL  | 6,646.00                 | 19.00        |
| 3.  | 2520012945617 | TRANSMISSION, HYDRAU  | 03H | F     |     | K21WL  | 10,212.00                | 12.01        |
| 4.  | 2920011924469 | STARTER, ENGINE, ELEC | 03A | Z     |     | J2200  | 425.66                   | 264.91       |
| 5.  | 2540012899053 | FRAME, SEAT, VEHICULA | 01H | 0     |     | K23WL  | 821.00                   | 56.00        |
| 6.  | 6140012101964 | BATTERY,STORAGE       | 18  | F     |     | K21PU  | 57.22                    | 797.01       |
| 7.  | 4810012898267 | VALVE,LINEAR,DIRECT   | 01A | F     |     | K21WL  | 1,761.00                 | 25.00        |
| 8.  | 2530012894290 | WHEEL,PNEUMATIC TIR   | 02A | 0     |     | J2200  | 808.96                   | 54.00        |
| 9.  | 7025012894285 | JOYSTICK,DATA ENTRY   | 04C | F     |     | Q2200  | 833.18                   | 40.00        |
| 10. | 3040012898250 | CYLINDER ASSEMBLY,A   | 03H | F     |     | K21WL  | 610.00                   | 53.00        |
| 11. | 6695012946534 | TRANSDUCER, MOTIONAL  | 18  | Z     |     | Q2200  | 391.02                   | 79.99        |
| 12. | 3040012898252 | CYLINDER ASSEMBLY,A   | 03H | F     |     | K23WL  | 1,153.00                 | 25.00        |
| 13. | 3040012894297 | CYLINDER, HYDRAULIC   | 03K | F     |     | K23WL  | 2,614.00                 | 11.00        |
| 14. | 3930012957095 | CARRIAGE WELDMENT,F   | 01A | Z     |     | J2200  | 3,578.75                 | 7.00         |
| 15. | 3040012943411 | CYLINDER ASSEMBLY,A   | 03H | 0     |     | K23WL  | 294.00                   | 76.65        |
| 16. | 2930012892067 | RADIATOR, ENGINE COO  | 03G | F     |     | K23WL  | 1,001.00                 | 20.83        |
| 17. | 3930013134627 | HOOK AND STOP ASSEM   | 01A | 0     |     | J2200  | 1,560.92                 | 12.00        |
| 18. | 5895012985081 | AMPLIFIER, DIRECT CU  | 14  | Z     |     | Q2200  | 284.34                   | 64.99        |
| 19. | 6220012894284 | SPOTLIGHT             | 01A | 0     |     | J2100  | 87.12                    | 202.96       |
| 20. | 3930013100866 | CAB,FORKLIFT          | 01A | F     |     | K23WL  | 8,635.00                 | 2.00         |
| 21. | 3930012926446 | STABILIZER,LEFT ASS   | 01A | 0     |     | J2200  | 291.53                   | 54.00        |
| 22. | 2815013426820 | FLYWHEEL,ENGINE       | 03A | Z     |     | J2200  | 336.66                   | 46.54        |
| 23. | 3040013160191 | CYLINDER ASSEMBLY,A   | 03K | Z     |     | J2200  | 412.05                   | 37.01        |
| 24. | 4140013038271 | FAN,CIRCULATING       | 18  | Z     |     | E2200  | 65.20                    | 232.95       |
| 25. | 2940004079408 | FILTER ELEMENT,INTA   | 03A | Z     |     | J2200  | 31.57                    | 479.59       |
| 26. | 2510013575680 | PARTS KIT, VEHICULAR  | 01A | Z     |     | J2200  | 81.65                    | 171.00       |
| 27. | 3040012894281 | CYLINDER ASSEMBLY,A   | 03H | F     |     | K23WL  | 1,178.00                 | 11.00        |
| 28. | 3040012898251 | CYLINDER ASSEMBLY,A   | 03H | F     |     | K21WL  | 713.00                   | 18.00        |
| 29. | 3930012929057 | STABILIZER,RIGHT AS   | 01A | Z     |     | J2200  | 303.72                   | 42.00        |
|     | 2540013138077 | MOTOR, WINDSHIELD WI  | 01H | Z     |     | J2200  | 142.88                   | 82.99        |
|     | 5340013757961 | BAND,RETAINING        | 01A | Z     |     | T2200  | 58.59                    | 184.01       |
| 32. | 2510012936037 | BRACE,FENDER          | 01A | Z     |     | J2200  | 235.14                   | 43.00        |
|     | 2920012152199 | GENERATOR, ENGINE AC  | 03A | F     |     | J2100  | 117.96                   | 85.35        |
| 34. | 4720013066301 | HOSE ASSEMBLY,NONME   | 01A | Z     |     | J2200  | 149.69                   | 63.99        |
| 35. | 3930012939328 | COUNTERWEIGHT ASSEM   | 01A | Z     |     | J2200  | 9,388.84                 | 1.00         |
|     | 2510012941476 | DOOR,VEHICULAR        | 01A | 0     |     | K23WL  | 468.00                   | 20.00        |
|     | 2530013762118 | DISK BRAKE SHOE       | 03Q | Z     |     | J2200  | 99.40                    | 92.00        |
|     | 3930012898212 | FORK LIFT,TRACTOR M   | 01A | Н     |     | K23WL  | 9,081.00                 | 1.00         |
|     | 2530012894302 | CALIPER ASSEMBLY,DI   | 03Q | F     |     | J2200  | 883.06                   | 10.00        |
| 40. | 3930013562735 | FORK,LIFT TRUCK       | 01A | Z     |     | J2200  | 1,071.51                 | 8.00         |

NUMBER OF SYSTEMS 1,569

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

# FORKLIFT, VARIABLE REACH, RT CONSUMABLES (NON-DLRs)

|  | AVERAGE COS | ST     | AVERAGE QUANTITY | FIVE | FY 90-94<br>EYEAR AVERAGE |
|--|-------------|--------|------------------|------|---------------------------|
| EXTENDED COST                          | PER         |        | PER              |      |                           |
| (QTY * UNIT PRICE)                     | SYSTEM      |        | 100 SYSTEMS      | QTY  | EXTENDED COST             |
| ,                                      |             |        |                  |      |                           |
| 270,988                                | 172.71      |        | 46.0567          |      |                           |
| 126,274                                | 80.48       |        | 1.2110           |      |                           |
| 122,645                                | 78.17       |        | 0.7655           |      |                           |
| 112,763                                | 71.87       |        | 16.8840          |      |                           |
| 45,976                                 | 29.30       |        | 3.5692           |      |                           |
| 45,603                                 | 29.07       |        | 50.7973          |      |                           |
| 44,026                                 | 28.06       |        | 1.5934           |      |                           |
| 43,683                                 | 27.84       |        | 3.4417           |      |                           |
| 33,327                                 | 21.24       |        | 2.5494           |      |                           |
| 32,330                                 | 20.61       |        | 3.3779           |      |                           |
| 31,277                                 | 19.93       |        | 5.0982           |      |                           |
| 28,825                                 | 18.37       |        | 1.5934           |      |                           |
| 28,754                                 | 18.33       |        | 0.7011           |      |                           |
| 25,051                                 | 15.97       |        | 0.4461           |      |                           |
| 22,535                                 | 14.36       |        | 4.8853           |      |                           |
| 20,851                                 | 13.29       |        | 1.3276           |      |                           |
| 18,731                                 |             |        |                  |      |                           |
| ,                                      | 11.94       |        | 0.7648           |      |                           |
| 18,479                                 | 11.78       |        | 4.1421           |      |                           |
| 17,681                                 | 11.27       |        | 12.9356          |      |                           |
| 17,270                                 | 11.01       |        | 0.1275           |      |                           |
| 15,742                                 | 10.03       |        | 3.4417           |      |                           |
| 15,667                                 | 9.99        |        | 2.9662           |      |                           |
| 15,250                                 | 9.72        |        | 2.3588           |      |                           |
| 15,189                                 | 9.68        |        | 14.8470          |      |                           |
| 15,140                                 | 9.65        |        | 30.5666          |      |                           |
| 13,963                                 | 8.90        |        | 10.8987          |      |                           |
| 12,958                                 | 8.26        |        | 0.7011           |      |                           |
| 12,834                                 | 8.18        |        | 1.1472           |      |                           |
| 12,757                                 | 8.13        |        | 2.6769           |      |                           |
| 11,857                                 | 7.56        |        | 5.2894           |      |                           |
| 10,782                                 | 6.87        |        | 11.7279          |      |                           |
| 10,111                                 | 6.44        |        | 2.7406           |      |                           |
| 10,068                                 | 6.42        |        | 5.4398           |      |                           |
| 9,580                                  | 6.11        |        | 4.0784           |      |                           |
| 9,389                                  | 5.98        |        | 0.0637           |      |                           |
| 9,360                                  | 5.97        |        | 1.2747           |      |                           |
| 9,145                                  | 5.83        |        | 5.8636           |      |                           |
| 9,081                                  | 5.79        |        | 0.0637           |      |                           |
| 8,831                                  | 5.63        |        | 0.6373           |      |                           |
| 8,572                                  | 5.46        |        | 0.5099           |      |                           |
|  |             |        |                  |      |                           |
| 4.040.045                              | 70 70       | TOD 40 |                  |      |                           |
| 1,343,345                              | 70.7%       | TOP 40 |                  |      |                           |
| 556,633                                | 29.3%       | OTHERS |                  |      |                           |
| ====================================== |             |        |                  |      |                           |
| 1,055,370                              |             |        |                  |      |                           |

## FORKLIFT, VARIABLE REACH, RT COST DRIVERS CLASS IX REPARABLES (DLRs)

|                                      |                    |            |        |     |                | FY 94 AMDF            | UNIT PRICE           | FY 94 |
|--------------------------------------|--------------------|------------|--------|-----|----------------|-----------------------|----------------------|-------|
| NSN                                  | NOMENCLATURE       | WBS        | MRC    | ARI | MATCAT         | W/O CREDIT            | W/CREDIT             | QTY   |
|                                      |                    |            |        |     |                |                       |                      |       |
| 1. 2520012882609                     | AXLE ASSEMBLY,AUT( | 02J        | D      |     | K23WL          | 8,081.00              | 4,194.04             | 4.00  |
| 2. 2520012880503                     | AXLE ASSEMBLY,AUT( | 02J        | D      |     | K23WL          | 12,354.00             | 6,411.73             | 1.00  |
| 3. 2910012899048                     | PUMP,FUEL,METERIN( | 03A        | D      |     | K21WL          | 941.00                | 488.38               | 11.00 |
| 1. 2520012882609<br>2. 2520012880503 | AXLE ASSEMBLY,AUT( | 02J<br>02J | D<br>D | ANI | K23WL<br>K23WL | 8,081.00<br>12,354.00 | 4,194.04<br>6,411.73 | 4.00  |

NUMBER OF SYSTEMS 1,569

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

## FORKLIFT, VARIABLE REACH, RT REPARABLES (DLRs)

|                    | AVERAGE COST |                  | FY 90-94 |               |  |
|--------------------|--------------|------------------|----------|---------------|--|
| EXTENDED COST      | (W/CREDIT)   | AVERAGE QUANTITY | FIVE '   | YEAR AVERAGE  |  |
| (W/CREDIT)         | PER          | PER              |          | EXTENDED COST |  |
| (QTY * UNIT PRICE) | SYSTEM       | 100 SYSTEMS      | QTY      | (W/CREDIT)    |  |
|                    |              |                  |          |               |  |
| 16,776             | 10.69        | 0.2549           |          |               |  |
| 6,411              | 4.09         | 0.0637           |          |               |  |
| 5,372              | 3.42         | 0.7011           |          |               |  |

28,559 100.0% COST DRIVERS
0 0.0% OTHERS
28,559

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

| FORKLIFT, VARIABLE REACH, RT FY 94 DEPOT MAINTENANCE COSTS |        |          |       |              |        |           |        |   |  |
|--|--------|----------|-------|--------------|--------|-----------|--------|---|--|
| COST   |        | END I    | TEM   |              |        | SECONDARY | / ITEM |   |  |
| ELEMENTS   |        | MAINTE   | NANCE |              |        | MAINTENA  | NCE    |   |  |
|  | REPAIR | OVERHAUL | OTHER | MODIFICATION | REPAIR | OVERHAUL  | OTHER  |   |  |
| CIVILIAN LABOR   | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| MILITARY LABOR   | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| MATERIEL   | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| TRANSPORTATION   | 0      | 0        | 0     | 0            |        |           |        |   |  |
| OVERHEAD   | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| CONTRACT   | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| OTHER  | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| TOTAL  | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| QTY COMPLETED  | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |
| AVG COST   | 0      | 0        | 0     | 0            | 0      | 0         |        | 0 |  |

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

|            | FORKLIFT, VARIABLE REACH, RT FY 94 INTERMEDIATE MAINTENANCE COSTS |             |             |                          |           |  |  |  |  |  |
|------------|---|-------------|-------------|--------------------------|-----------|--|--|--|--|--|
|            | DS/GS LABOR DS/GS CIVILIAN CIVILIAN CIVILIAN LABOR                |             |             |                          |           |  |  |  |  |  |
|            |   |             | _           |                          |           |  |  |  |  |  |
| MACOM      | HOURS   | LABOR COSTS | LABOR HOURS | LABOR COSTS <sup>*</sup> | COST/HOUR |  |  |  |  |  |
| FORSCOM    | 1,254   | 20,829      | 109         | 2,042                    | 18.73     |  |  |  |  |  |
| USAREUR    | 648   | 10,763      |             |                          |           |  |  |  |  |  |
| EUSA       | 29  | 482         |             |                          |           |  |  |  |  |  |
| USARPAC    | 67  | 1,113       |             |                          |           |  |  |  |  |  |
| USARSO     | 15  | 249         |             |                          |           |  |  |  |  |  |
| USASOC     | 0   | 0           |             |                          |           |  |  |  |  |  |
| TRADOC     | 0   | 0           | 0           | 0                        | 0.00      |  |  |  |  |  |
| ARNG       | 520   | 8,637       |             |                          |           |  |  |  |  |  |
| USAR       | 77  | 1,279       |             |                          |           |  |  |  |  |  |
| TOTAL ARMY | 2,610   | 43,352      | 109         | 2,042                    | 18.73     |  |  |  |  |  |

<sup>\*</sup>TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

| FORKLIFT, VARIABLE REACH, RT FIVE YEAR DEPOT MAINTENANCE COSTS |       |       |       |       |                            |       |       |       |       |       |
|--|-------|-------|-------|-------|----------------------------|-------|-------|-------|-------|-------|
| COST<br>ELEMENTS   |       |       |       |       | SECONDARY ITEM MAINTENANCE |       |       |       |       |       |
|  | FY 90 | FY 91 | FY 92 | FY 93 | FY 94                      | FY 90 | FY 91 | FY 92 | FY 93 | FY 94 |
| CIVILIAN LABOR   |       |       |       |       | 0                          |       |       |       |       | 0     |
| MILITARY LABOR   |       |       |       |       | 0                          |       |       |       |       | 0     |
| MATERIEL   |       |       |       |       | 0                          |       |       |       |       | 0     |
| TRANSPORTATION   |       |       |       |       | 0                          |       |       |       |       |       |
| OVERHEAD   |       |       |       |       | 0                          |       |       |       |       | 0     |
| CONTRACT   |       |       |       |       | 0                          |       |       |       |       | 0     |
| OTHER  |       |       |       |       | 0                          |       |       |       |       | 0     |
| TOTAL  |       |       |       |       | 0                          |       |       |       |       | 0     |
| QTY COMPLETED  |       |       |       |       | 0                          |       |       |       |       | 0     |
| AVG COST   |       |       |       |       | 0                          |       |       |       |       | 0     |

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

|  | FORKLIFT, VARIABLE REACH, RT |                        |           |           |        |       |       |                 |       |       |
|--|------------------------------|------------------------|-----------|-----------|--------|-------|-------|-----------------|-------|-------|
| FIVE YEAR INTERMEDIATE MAINTENANCE COSTS |                              |                        |           |           |        |       |       |                 |       |       |
|  |                              | DIRECT/GENERAL SUPPORT |           |           |        |       |       | CIVILIAN        |       |       |
|  | INTI                         | ERMEDIATI              | E MAINTEN | IANCE (DS | /GS)   |       | MAIN  | <b>ITENANCE</b> | (CIV) |       |
| MACOM                                    | FY 90                        | FY 91                  | FY 92     | FY 93     | FY 94  | FY 90 | FY 91 | FY 92           | FY 93 | FY 94 |
| FORSCOM                                  |                              |                        |           |           | 20,829 |       |       |                 |       | 2,042 |
| USAREUR                                  |                              |                        |           |           | 10,763 |       |       |                 |       |       |
| EUSA                                     |                              |                        |           |           | 482    |       |       |                 |       |       |
| USARPAC                                  |                              |                        |           |           | 1,113  |       |       |                 |       |       |
| USARSO                                   |                              |                        |           |           | 249    |       |       |                 |       |       |
| USASOC                                   |                              |                        |           |           | 0      |       |       |                 |       |       |
| TRADOC                                   |                              |                        |           |           | 0      |       |       |                 |       | 0     |
| ARNG                                     |                              |                        |           |           | 8,637  |       |       |                 |       |       |
| USAR                                     |                              |                        |           |           | 1,279  |       |       |                 |       |       |
| TOTAL ARMY                               |                              |                        |           |           | 43,352 |       |       |                 |       | 2,042 |
| LABOR HRS                                |                              |                        |           |           | 2,610  |       |       |                 |       | 109   |
| COST PER HR                              |                              |                        |           |           | 16.61  |       |       |                 |       | 18.73 |

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

| FORKLIFT, VARIABLE REACH, RT FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS |              |                        |  |                           |                                     |  |  |  |
|---|--------------|------------------------|--|---------------------------|-------------------------------------|--|--|--|
| NSN   | NOMENCLATURE | FY 94<br>AMDF<br>PRICE | FY 94<br>TOTAL COST<br>TO REBUILD/<br>OVERHAUL | FY 94<br>QTY<br>COMPLETED | AVG COST<br>TO REBUILD/<br>OVERHAUL |  |  |  |
|   | N            | O DATA AVAI            | LABLE  |                           |                                     |  |  |  |

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

| FORKLIFT, VARIABLE REACH, RT FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS |   |             |           |           |           |  |  |  |
|--|---|-------------|-----------|-----------|-----------|--|--|--|
|  | FY 94 FY 94<br>AMDF TOTAL COST QTY AVG COST |             |           |           |           |  |  |  |
| NSN  | NOMENCLATURE                                | PRICE       | TO REPAIR | COMPLETED | TO REPAIR |  |  |  |
|  | N   | O DATA AVAI | LABLE     |           |           |  |  |  |

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90-94 QTY COMPLETED.

| FORKLIFT, VARIABLE REACH, RT FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS |              |            |             |           |             |  |  |  |
|---|--------------|------------|-------------|-----------|-------------|--|--|--|
|   |              |            | FY 90-94    |           |             |  |  |  |
|   |              | FY 94      | TOTAL COST  | FY 90-94  | AVG COST    |  |  |  |
|   |              | AMDF       | TO REBUILD/ | QTY       | TO REBUILD/ |  |  |  |
| NSN   | NOMENCLATURE | PRICE      | OVERHAUL    | COMPLETED | OVERHAUL    |  |  |  |
|   | N            | O DATA AVA | ILABLE      |           |             |  |  |  |

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

| FORKLIFT, VARIABLE REACH, RT FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS |              |                        |                                     |                              |                       |  |
|--|--------------|------------------------|-------------------------------------|------------------------------|-----------------------|--|
| NSN  | NOMENCLATURE | FY 94<br>AMDF<br>PRICE | FY 90-94<br>TOTAL COST<br>TO REPAIR | FY 90-94<br>QTY<br>COMPLETED | AVG COST<br>TO REPAIR |  |
|  | N            | O DATA AVAI            | LABLE                               |                              |                       |  |

## **CHOOSE A VOLUME FOR MORE SYSTEMS**



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